

10/507252

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled MANGANESE ION REGULATION OF REVERSE TRANSCRIPTASE ACTIVITY AND METHODS OF MODULATING SAME, the specification of which

\_\_\_\_\_ is attached hereto.

X was filed on September 10, 2004 (with an International Application date of March 12, 2003) (Attorney Docket No. JHU1870-1)

as U.S. Application Serial No. 10/507,252

and was amended on \_\_\_\_\_

if applicable (the "Application").

I hereby authorize and request insertion of the application serial number of the Application when officially known.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability of the subject matter of the Application as defined in Title 37, Code of Federal Regulations ("C.F.R."), § 1.56.

With respect to the Application, I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

60/363,708 ✓  
(Application Serial No.)

March 12, 2002 ✓  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

With respect to the Application, I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability of the subject matter of the Application as defined in Title 37, C.F.R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of the Application:

<u>PCT/US03/07879 ✓</u>	<u>12 March 2003 ✓</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
 <u>                                </u>	 <u>                                </u>	 <u>                                </u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
 <u>                                </u>	 <u>                                </u>	 <u>                                </u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

COUNTRY	APPLICATION NO.	FILING DATE	PRIORITY CLAIMED	
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

10/507252

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1-00 Full name of first inventor: Jef D. Boeke

Inventor's Signature: [Signature]

Date: Sept 16/2004

Residence: 835 West University Parkway, Baltimore, Maryland 21210-2911, MD.  
United States of America

Citizenship: US ✓

Post Office Address: 835 West University Parkway, Baltimore, Maryland  
21210-2911, United States of America

Full name of second inventor: Eric C. Bolton

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 1339 10th Avenue, Apt. #2, San Francisco, California 94122,  
United States of America

Citizenship: US

Post Office Address: 1339 10th Avenue, Apt. #2, San Francisco, California  
94122, United States of America

10/507252

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Jef D. Boeke

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: 835 West University Parkway, Baltimore, Maryland 21210-2911,  
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Post Office Address: 835 West University Parkway, Baltimore, Maryland  
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2-00 Full name of second inventor: Eric C. Bolton

Inventor's signature: Eric C. Bolton

Date: September 16, 2004

Residence: 1339 10th Avenue, Apt. #2, San Francisco, California 94122, CIA  
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Citizenship: US ✓

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Rec'd PET/PTO 28 JAN 2005

10/507252

PATENT

ATTORNEY DOCKET NO.: JHU1870-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Boeke and Bolton                      Art Unit: 1651  
Application No.: 10/507,252                      Examiner: Not Yet Assigned  
Int'l Filing Date: March 12, 2003  
Title: MANGANESE ION REGULATION OF REVERSE TRANSCRIPTASE  
ACTIVITY AND METHODS OF MODULATING SAME

**Mail Stop PCT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE**

As a below-named assignee of the above-identified application ("Application"):

I hereby appoint the following attorneys of USPTO Customer No. 28213 to  
prosecute the Application for the assignee and transact all business in the United States Patent  
and Trademark Office connected therewith:

24  
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Registration No. 24,226  
Registration No. 31,238  
Registration No. 39,749  
Registration No. 19,305  
Registration No. 18,689  
Registration No. 35,255  
Registration No. 33,981  
Registration No. 45,517  
Registration No. 45,647  
Registration No. 45,039  
Registration No. 52,182  
Registration No. 30,103

In re Application of:

Boeke and Bolton

Application No.: 10/507252

Int'l Filing Date: March 12, 2003

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I hereby authorize and request insertion of the application number of the  
Application when officially known.

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Date: Sept 20, 2004